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Cleanup Office



5129 N. Shirley St. Suite 100, Ruston, WA 98407

December 15, 2011

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 186, November 2011
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Steve Teel - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay



Monthly Report 186, November 2011

Operable Unit 02

Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on November 10th for coordination meetings.
2. Temporary Cap and Interim Permanent Cap and Site Wide Storm Water Plan undergoing review for re-submittal to EPA for approval.
3. Continue remedial action associated with Master Infrastructure CMP, including JUT construction, preparation for retaining wall on Ruston Way, final prep and grading of roadways, waterlines and abandonment of existing storm water system and other underground public utilities.
4. Continue construction of Shoreline Armoring RA, including punch list work to bring to final conclusion, tentatively planned for December 2011.
5. Erosion control BMP's were maintained after storm events, including replacement of silt fences and exclusion zone fence. On-going site maintenance and monitoring continues, including all requirements under the Site Wide Construction Health and Safety Plan.
6. Continued weekly site-inspection reports (see attached).
7. Maintained clean work area and road.
8. Remedial Action activities continued.
9. Training activities include the following:
 - Site Safety Orientations (Clean Zone) was held for personnel of the following companies:
 - i. Six (6) M.S. Construction employees
 - ii. Two (2) Olson Brothers employees
 - iii. Two (2) Drain Pro employees
 - iv. Three (3) Stegin Concrete Construction employees
 - v. One (1) Oldcastle Precast employee
 - vi. Two (2) ACF West employees
 - vii. Three (3) Labor Systems Job Center employees
 - viii. One (1) BDM Services employee
 - ix. One (1) Darling Sons International employee
 - x. One (1) Otis Elevator employee
 - xi. One (1) Gordy Bagnell Trucking employee
 - xii. Three (3) Tercom Construction employees
 - xiii. One (1) Les Schwab employee
 - xiv. Four (4) Cal-Portland employees
 - xv. One (1) Alliance Steel Erectors employees
 - xvi. One (1) Structural Radar Imaging employee
 - xvii. Ten (10) Point Ruston employees
 - xviii. One (1) Magforce Electric employee
 - xix. One (1) Ritchie Brothers Auctioneers employee
 - xx. One (1) Evergreen Concrete Cutting employee
 - xxi. One (1) Hydrometrics employee
 - xxii. One (1) Miles Resources employee
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:

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Asarco Tacoma Smelter Site

- i. One (1) Gordy Bagnell Trucking employee
- ii. One (1) ACF West employee
- iii. One (1) Olson Brothers employee
- HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. One (1) Gordy Bagnell Trucking employee
- Other relevant monitoring or training was verified or completed by personnel of the following companies:
 - i. One (1) Olson Brothers employee (Arsenic Analysis)
 - ii. Four (4) Point Ruston employees (Arsenic Analysis)
 - iii. One (1) Gordy Bagnell Trucking employee (Arsenic Analysis)

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North and South Outfalls, Point Ruston monitors an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Outfall samples were not collected in November per the SOW schedule. Please see attached memorandum regarding the North Outfall.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 100 gallons per day on the LCRS. Point Ruston shipped 4,995 gallons of leachate (4.0 mg/L) on November 14th. Sample results are attached.

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3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston has suspended perimeter air monitoring during wet weather events that cause wet site conditions. Perimeter air monitoring will resume when the weather allows the site to dry out. Results for samples collected October 24th through November 26th are attached. Results for the remainder of November are pending laboratory analysis and will be submitted with the December report. There were no exceedances.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring was performed on November 1st during Shoreline Armoring and remediation activities. Results for samples collected are attached. There were no exceedances.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Point Ruston Grade and Site Cap (Hydrometrics 2008)** – received EPA approval
 - Temporary Cap Plan** – received conditional EPA approval Point Ruston submitted updated plan for Interim Permanent Cap. Construction and compaction of subgrade delayed, pending weather and site conditions; awaiting final EPA approval of design. Point Ruston is drafting O&M Plan for the maintenance of the Interim Permanent Cap.
 - Site Wide Storm Water Plan** – submittal to EPA for review and approval (Hydrometrics 2011), received interim EPA approval, awaiting formal and final approval of Interim Permanent Cap Plan.
 - Construction Health & Safety Plan (CH&SP)** – updated plan to be submitted for EPA review and approval in immediate future (early January).
 - BNSF Excavation & RA Plan** – received EPA approval; work completed and approved. BN has issued a Quit Claim Deed to Point Ruston and this property to become part of Ruston Way shoulder and potential street side parking. .
 - Sequence of Development and Occupancy Plan (SDOP)** – Point Ruston continuing edits and restructuring.
 - Ruston Way SAP** – EPA approved, work completed.
 - Operations Maintenance, and Monitoring Plan (OMMP)** – Point Ruston continuing edits and restructuring (submittal anticipated in early January).

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CC&Rs and HOA OMMP budget – Point Ruston continuing edits and restructuring. Removing environmental specific conditions and placing into stand-alone Environmental CC&R document (submittal anticipated in January).

Phase 1 Construction Management Plan (CMP) –EPA approval; edits and restructuring for re-submittal to include updated RA for site improvements; construction to continue through summer 2011 (submittal anticipated in early January).

Master Infrastructure CMP – EPA approved, work ongoing.

Waterwalk CMP- Point Ruston drafting ongoing; to be submitted for phased construction and 1st phase of Waterwalk anticipated to begin construction in 2011 (submittal anticipated in early January).

BA South Outfall Flow (Edwards Street) – EPA reviewing on going; submitted to NMFS, NOAA, & USFWS for review. EPA has provided approval of in-water construction of Edwards.

BA Shoreline Stabilization – EPA approved. Work ongoing.

Biological Assessment South Outfall Construction (Edwards Street) – EPA approved. Work ongoing.

2. Remedial Action included the following tasks:

- OCF construction activities:
 - Maintained leachate collection system.
 - Inspected storm drain system, vaults and cover.
- Stack Hill construction activities:
 - Maintained erosion and surface water controls; Maintained site perimeter fence and signage at the north end of Stack Hill.
 - Subgrade samplings of Stack Hill face to determine extent of cap and RA.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls; Inspected and repaired silt fence. Ruston Way closed to public traffic to accommodate MICMP construction of ROW and other public utilities. Ruston side of Tunnel filled with Baltimore St. road prism clean ballast. Liner along Town of Ruston ROW being placed; roadway concrete and asphalt to begin mid-winter; Q1 construction completion scheduled.
 - Continued site-wide dust monitoring and control through site and access road watering, as needed. (None during wet weather events.)
 - Maintained air-monitoring program per CH&SP
 - Completed shoreline armoring BA, construction began, and trenching and armoring construction on going.

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D. Actions scheduled for the next six weeks.

1. Begin MICMP construction of retaining wall and concrete curbs on public ROW Ruston Way, Underground Power and Data (Qwest, Comcast, Click, etc.) components to continue, along with joint utility trench excavations. MICMP completion expected Q1-2012; Tacoma and Point Ruston completing design of Waterwalk in anticipation of culmination of PSA Waterwalk property
2. Continue construction of shoreline armoring, anticipate Dec. 2011 completion.
3. Finalize design and approvals of Interim Permanent Cap, finish site wide mass grading, and begin construction of liner (construction delayed due to wet weather and unworkable site conditions).
4. Continue CH&SP air monitoring during RA activities.
5. Continue to work on plans associated with Institutional Controls for the site, including Sequence of Development and Occupancy Plan, CC&Rs, and other HOA related documents as required per the Consent Decree, including responding to EPA comments.
6. Continue to work on response to EPA comments on the Operation, Maintenance and Monitoring Plan ("OMMP")
7. Continue discussions with Metro Parks Tacoma on extension of Yacht Club Road and closure of Waterfront Drive, and offsite environmental liabilities on Peninsula Park/Slag Peninsula property; coordinate with EPA on claims to Asarco trust account.
8. Continue discussions with DNR and State of Washington regarding offsite liabilities for sediments and other aquatic land.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance
- b. Continue home construction and sales & marketing efforts

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Site-wide construction activities:

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure
- e. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston on work associated with the Master Infrastructure CMP and Phase I CMP; LID construction is ongoing as is Phase 1 building framing and foundation construction

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010. EPA approved a SOW Schedule Modification on March 24, 2011 deleting the 50% cap completion date, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property to the City of Tacoma.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
4. Point Ruston continues discussions with DNR on cost recovery claims and other aquatic land cleanup issues.

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5. Point Ruston continues to discuss off site RA of Metro Parks Peninsula, and Town of Ruston's tunnel.



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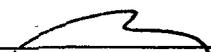
11/04/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: OCF - Leachate Tank
Client ID: TSM111101
Sample Matrix: Water
Date Sampled: 11/01/2011
Date Received: 11/01/2011
Spectra Project: 2011110027
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	4.0	mg/L	EPA 200.8

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Steve Hibbs, Laboratory Manager
a6/scj

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November 3, 2011

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2011110027
Applies to Spectra #'s 1

QUALITY CONTROL RESULTS ICP-MS Metals - EPA Method 200.8 - Water

Method Blank			
Date Digested:	11/3/2011	Date Analyzed:	11/3/2011
<u>Element</u>	<u>CAS #</u>	<u>Blank Result</u>	
Arsenic	7440-38-2	< 0.5	

Blank Spike (LCS)			
Date Digested:	11/3/2011	Date Analyzed:	11/3/2011
<u>Element</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec</u>
Arsenic	50.0	49.13	98.3

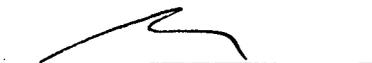
LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)							
Date Digested:	11/2/2011	Date Analyzed:	11/2/2011				
Sample Spiked:	2011110046-1						
<u>Element</u>	<u>Sample Conc.</u>	<u>Spike Conc.</u>	<u>MS Conc.</u>	<u>MS %Rec</u>	<u>MSD Conc.</u>	<u>MSD %Rec</u>	<u>RPD</u>
Arsenic	0.00	50.0	51.97	103.9	52.00	104.0	0.1

Recovery Limits 70-130%

RPD Limit 20

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Steven G. Hibbs
Laboratory Manager



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11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 10/31/2011
Spectra Project: 2011110001

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552590	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552590	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552595	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552595	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552594	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552594	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552593	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552593	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/24/2011
8552596	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552596	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552592	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552592	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552591	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552591	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/25/2011
8552589	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011
8552589	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011

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Steve Hibbs, Laboratory Manager

a8/scj



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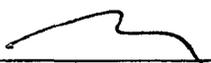
11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 10/31/2011
Spectra Project: 2011110001

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552588	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011
8552588	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011
8552587	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011
8552587	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/26/2011
8552586	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552586	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552585	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552585	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552584	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552584	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/27/2011
8552583	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011
8552583	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011
8552582	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011
8552582	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011
8552581	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011
8552581	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/28/2011

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Steve Hibbs, Laboratory Manager

a8/scj



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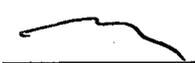
11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 10/31/2011
Spectra Project: 2011110001

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552580	17	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011
8552580	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011
8552579	18	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011
8552579	18	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011
8552578	19	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011
8552578	19	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/29/2011

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Steve Hibbs, Laboratory Manager

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CHAIN OF CUSTODY RECORD

2011110001

**POINT
RUSTON**

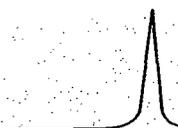
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS				
AIR MONITORING		Point Ruston LLC (Hi-Vol)									
SAMPLERS: (Signature)						ASPL					
<i>[Signature]</i>											
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER						
10/24/11	Control		X		8552590	1	X				
10/24/11	SG		X		8552595	1	X				
10/24/11	OCF-VI		X		8552594	1	X				
10/24/11	OCF-NW		X		8552593	1	X				
10/25/11	SG		X		8552596	1	X				
10/25/11	OCF-VI		X		8552592	1	X				
10/25/11	OCF-NW		X		8552591	1	X				
10/26/11	SG		X		8552589	1	X				
10/26/11	OCF-VI		X		8552588	1	X				
10/26/11	OCF-NW		X		8552587	1	X				
10/27/11	SG		X		8552586	1	X				
10/27/11	OCF-VI		X		8552585	1	X				
10/27/11	OCF-NW		X		8552584	1	X				
10/28/11	SG		X		8552583	1	X				
10/28/11	OCF-VI		X		8552582	1	X				

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other <u>Drop off</u>
<i>[Signature]</i>	10/31/11 15:24	<i>[Signature]</i>	Spectra	Air Bill # _____
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
				<input type="checkbox"/> Parameter List with DTLs
				<input type="checkbox"/> Cover Letter

Split Samples:
 Accepted Declined _____
 Signature _____



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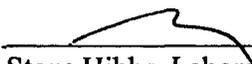
11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/07/2011
Spectra Project: 2011110159

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552577	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552577	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552576	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552576	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552575	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552575	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/31/2011
8552574	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552574	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552573	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552573	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552572	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552572	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/01/2011
8552571	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011
8552571	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011
8552570	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011
8552570	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011

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Steve Hibbs, Laboratory Manager

a8/scj



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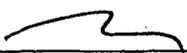
11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/07/2011
Spectra Project: 2011110159

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552569	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011
8552569	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/02/2011
8552568	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552568	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552567	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552567	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552566	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552566	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/03/2011
8552565	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552565	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552564	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552564	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552563	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552563	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/04/2011
8552561	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/05/2011
8552561	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/05/2011

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

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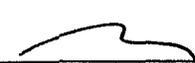
11/16/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/07/2011
Spectra Project: 2011110159

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552550	17	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552550	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2011110159
 (H1-Vol)

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS			
AIR MONITORING		Point Ruston LLC						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
11/5/11	OCFV1		X		8552561	1	X	
11/7/11	Control				8552550	1	X	
11/7/11	HI-VOLUME SAMPLER LOG							
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;"> </div>								
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other
			11/7/11 15:29					Drop off
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed:
								<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter

Split Samples:
 Accepted Declined _____
 Signature

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

201110159

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS						
AIR MONITORING		Point Ruston LLC (#1-001)									
DATE		STA #	TIME	COMP	GRAB	SAMPLE NUMBER					
SAMPLERS: (Signature) <i>[Signature]</i>											
10/31/11	S.G			X		8552577					
10/31/11	OCF-VI			X		8552576					
10/31/11	OCF-NW			X		8552575					
11/1/11	S.G			X		8552574					
11/1/11	OCF-VI			X		8552573					
11/1/11	OCF-NW			X		8552572					
11/2/11	S.G			X		8552571					
11/2/11	OCF-VI			X		8552570					
11/2/11	OCF-NW			X		8552569					
11/3/11	S.G			X		8552568					
11/3/11	OCF-VI			X		8552567					
11/3/11	OCF-NW			X		8552566					
11/4/11	SG			X		8552565					
11/4/11	OCF-VI			X		8552564					
11/4/11	OCF-NW			X		8552563					
Relinquished (Signature) <i>[Signature]</i>			Date/Time		Received by: (Signature) <i>[Signature]</i>		Lab		Shipped via: FedEx, UPS or Other <i>[Signature]</i>		
Relinquished (Signature)			Date/Time		Received by: (Signature) <i>[Signature]</i>		Remarks				
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined							Signature				



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11/29/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 11/15/2011
Spectra Project: 2011110336

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552556	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552556	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552555	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552555	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552554	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552554	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/07/2011
8552553	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552553	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552552	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552552	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552551	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552551	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/08/2011
8552546	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552546	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552549	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552549	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/scj



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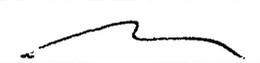
11/29/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 11/15/2011
Spectra Project: 2011110336

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552548	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552548	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552547	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552547	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/09/2011
8552545	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552545	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552544	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552544	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552543	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552543	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/10/2011
8552542	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011
8552542	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011
8552541	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011
8552541	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011
8552540	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011
8552540	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/11/2011

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
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CHAIN OF CUSTODY RECORD

2011110336

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS												
AIR MONITORING		Point Ruston LLC (H1-V01)																	
SAMPLERS: (Signature)						ASPs													
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER														
11/7/11	S.G		X		8552556	1	X												
11/7/11	OCF-VI		X		8552555	1	X												
11/7/11	OCF-NW		X		8552554	1	X												
11/8/11	S.G		X		8552553	1	X												
11/8/11	OCF-VI		X		8552552	1	X												
11/8/11	OCF-NW		X		8552551	1	X												
11/9/11	Control				8552546	1	X												
11/9/11	S.G		X		8552549	1	X												
11/9/11	OCF-VI		X		8552548	1	X												
11/9/11	OCF-NW		X		8552547	1	X												
11/10/11	S.G		X		8552545	1	X												
11/10/11	OCF-VI		X		8552544	1	X												
11/10/11	OCF-NW		X		8552543	1	X												
11/11/11	S.G		X		8552542	1	X												
11/11/11	OCF-VI		X		8552541	1	X												
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other							
						<i>[Signature]</i>			Spectra			Drop off							
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks										
<i>[Signature]</i>			11/14 15:20			<i>[Signature]</i>													
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time		Enclosed:								
											<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:												Signature							
[] Accepted [] Declined																			

CHAIN OF CUSTODY RECORD

201110336

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO AIR monitoring		PROJECT NAME Point Ruston LLC (H-001)				NO. OF CONTAINERS 1	ASPL	REMARKS
SAMPLERS: (Signature) <i>[Signature]</i>								
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
11/11/11	OCF-NW		X		8552540			
11/15/11					Hi-Volume Sampler Log			
Relinquished (Signature) <i>[Signature]</i>			Date/Time 11/15/11 15:20		Received by: (Signature) <i>[Signature]</i>		Lab Spectra	Shipped via: FedEx, UPS or Other: <u>Drop off</u> Air Bill #
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
						Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined		
						Signature		



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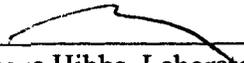
12/07/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/21/2011
Spectra Project: 2011110486

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552539	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552539	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552538	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552538	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552537	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552537	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/14/2011
8552536	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552536	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552535	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552535	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552534	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552534	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/15/2011
8552533	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011
8552533	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011
8552532	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011
8552532	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

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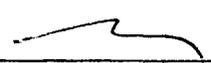
12/07/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/21/2011
Spectra Project: 2011110486

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552531	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011
8552531	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/16/2011
8552530	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552530	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552529	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552529	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552528	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552528	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/17/2011
8552527	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552527	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552526	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552526	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552525	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552525	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/18/2011
8552524	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011
8552524	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011

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Steve Hibbs, Laboratory Manager

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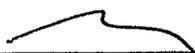
12/07/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 11/21/2011
Spectra Project: 2011110486

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552523	17	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011
8552523	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011
8552522	18	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011
8552522	18	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/19/2011
8552519	19	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552519	19	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552520	20	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552520	20	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552521	21	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552521	21	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552515	22	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011
8552515	22	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/20/2011

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2011110480

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS				
AIR monitoring		Pt. Ruston LLC (H-001)									
SAMPLERS: (Signature)						ASPB					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER						
11/14/11	S.G		X		8552539	1	X				
11/14/11	OCF-VI		X		8552538	1	X				
11/14/11	OCF-NW		X		8552537	1	X				
11/15/11	S.G		X		8552536	1	X				
11/15/11	OCF-VI		X		8552535	1	X				
11/15/11	OCF-NW		X		8552534	1	X				
11/16/11	S.G		X		8552533	1	X				
11/16/11	OCF-VI		X		8552532	1	X				
11/16/11	OCF-NW		X		8552531	1	X				
11/17/11	S.G		X		8552530	1	X				
11/17/11	OCF-VI		X		8552529	1	X				
11/17/11	OCF-NW		X		8552528	1	X				
11/18/11	S.G		X		8552527	1	X				
11/18/11	OCF-VI		X		8552526	1	X				
11/18/11	OCF-NW		X		8552525	1	X				

Relinquished (Signature) <i>[Signature]</i>	Date/Time 11/21/11 15:20	Received by: (Signature) <i>[Signature]</i>	Lab Spectra	Shipped via: FedEx, UPS or Other <i>Driver off</i> Air Bill #
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter

Split Samples:
 Accepted Declined _____
 Signature

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

201110486

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS																
AIR monitoring		Pt. Ruston LLC (HI-001)					As Pb																
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																		
11/19/11	SG		X		8552524	1	X																
11/19/11	OCF VI		X		8552523	1	X																
11/19/11	OCF NW		X		8552522	1	X																
11/20/11	S.G		X		8552519	1	X																
11/20/11	OCF VI		X		8552520	1	X																
11/20/11	OCF NW		X		8552521	1	X																
11/20/11	Control				8552515	1	X																
11/21/11	HI VOLUME SAMPLER LOG																						

Relinquished (Signature) <i>[Signature]</i>	Date/Time 11/21/11 15:20	Received by: (Signature) <i>[Signature]</i>	Lab Spectra	Shipped via: FedEx, UPS or Other <i>Drop off</i> Air Bill #
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter

Split Samples:
 Accepted Declined _____
 Signature _____



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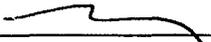
12/07/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitorig (hi-vol)
Date Received: 11/28/2011
Spectra Project: 2011110604

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552516	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552516	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552517	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552517	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552518	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552518	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/21/2011
8552514	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552514	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552513	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552513	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552512	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552512	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/22/2011
8552511	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011
8552511	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011
8552510	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011
8552510	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

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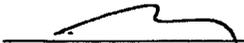
12/07/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitorig (hi-vol)
Date Received: 11/28/2011
Spectra Project: 2011110604

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8552509	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011
8552509	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/23/2011
8552508	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552508	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552507	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552507	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552506	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552506	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/25/2011
8552505	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552505	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552504	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552504	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552503	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552503	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/26/2011
8552096	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	11/28/2011
8552096	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	11/28/2011

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

20111106054

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS								
AIR MONITORING		Point Ruston LLC (Hi-Vol)													
DATE		STA #	TIME	COMP	GRAB	SAMPLE NUMBER									
11/21/11	SG		X			8552516	1	X							
11/21/11	OCF VI		X			8552517	1	X							
11/21/11	OCF NW		X			8552518	1	X							
11/22/11	SG		X			8552514	1	X							
11/22/11	OCF VI		X			8552513	1	X							
11/22/11	OCF NW		X			8552512	1	X							
11/22/11	SG		X			8552511	1	X							
11/23/11	OCF VI		X			8552510	1	X							
11/23/11	OCF NW		X			8552509	1	X							
11/25/11	SG		X			8552508	1	X							
11/25/11	OCF VI		X			8552507	1	X							
11/25/11	OCF NW		X			8552506	1	X							
11/26/11	SG		X			8552505	1	X							
11/26/11	OCF VI		X			8552504	1	X							
11/26/11	OCF NW		X			8552503	1	X							
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS or Other: _____ Air Bill # _____							
<i>[Signature]</i>		11/28/11 15:28		<i>[Signature]</i>				Remarks							
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter							
								Split Samples: [] Accepted [] Declined _____ Signature							

CHAIN OF CUSTODY RECORD

20111060\$4

**POINT
RUSTON**



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO AIR Monitoring		PROJECT NAME Pt. Ruston LLC (Hi-Vol)				NO. OF CONTAINERS 1 X	REMARKS As per PL				
SAMPLERS: (Signature) <i>[Signature]</i>											
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER						
11/28/11	Control				8552096						
11/28/11					Hi-VOLUME SAMPLERS LOG						
Relinquished (Signature) <i>[Signature]</i>						Date/Time 11/29/11 15:28	Received by: (Signature) <i>[Signature]</i>		Lab		Shipped via: FedEx, UPS or Other _____ Air Bill # _____
						Relinquished (Signature)					
Relinquished (Signature)						Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
						Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____		Signature _____			



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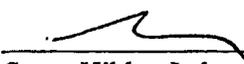
11/02/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Shoreline Armoring
Sample Matrix: Air Cassette
Date Sampled: 11/01/2011
Date Received: 11/01/2011
Spectra Project: 2011110026
Rush

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
110111-181	1	Arsenic	0.93	µg/m3	SW846 6020A
110111-181	1	Lead	1.15	µg/m3	SW846 6020A
110111-719	2	Arsenic	0.42	µg/m3	SW846 6020A
110111-719	2	Lead	0.38	µg/m3	SW846 6020A
110111-123	3	Arsenic	0.11	µg/m3	SW846 6020A
110111-123	3	Lead	0.08	µg/m3	SW846 6020A

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

Page 1 of 1

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November 2, 2011

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2011110026
Applies to Spectra #'s 1 thru 3

QUALITY CONTROL RESULTS ICP-MS Metals - SW846 6020A - Air Filter

Method Blank

Date Digested: 11/2/2011 Date Analyzed: 11/2/2011

Element	CAS #	Blank Result
Arsenic	7440-38-2	< 0.5
Lead	7439-92-1	< 0.5

Blank Spike (LCS)

Date Digested: 11/2/2011 Date Analyzed: 11/2/2011

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	100.0	101.20	101.2
Lead	100.0	98.67	98.7

LCS Recovery limits 80-120%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: 11/2/2011 Date Analyzed: 11/2/2011

Sample Spiked: Blank

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
Arsenic	0.00	100.0	100.50	100.5	100.30	100.3	0.2
Lead	0.00	100.0	99.78	99.8	101.60	101.6	1.8

Comment: Blank spikes applied due to insufficient sample. (1 filter)

Recovery Limits 75-125%

RPD Limit 20

SPECTRA LABORATORIES

Steven G. Hibbs
Laboratory Manager



Weekly Site Inspection Report No. 2011-1106

Week of: 11/6 - 12, 2011

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Gates:						
49 th & Ruston Wy	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
52 nd Street	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED
51 st & Gallagher	G	F	P	Y	N	CLOSED
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	G	F	P	Y	N	
Plastic	G	F	P	Y	N	
Packed	(G)	F	P	Y	(N)	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	(F)	P	Y	(N)	
(Other)	G	(F)	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2011-1106
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						IN REVISION
Site Superintendant	G	(F)	P	(Y)	N	
Construction Super.	G	(F)	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 6	N	N	NO RA ACTIVITY - WET CONDITIONS
Mon 7	Y	N	GRUB 2B-EAST + PLACE CLEAN CAP FOR MATERIAL STORAGE SHORELINE ARMORING; FOUNDATION FORMING; JOINT UTILITY TRENCH
Tue 8	Y	N	2B-EAST GRADING; SDMH 2 WORK; SHORELINE ARMORING; 2A FOUNDATION
Wed 9	Y	N	SDMH 2; 2A STORAGE FOUNDATION FORMING; SHORELINE ARMORING ROAD LINER
Thu 10	Y	N	LINER INSTALL; SHORELINE ARMORING; 2A FOUNDATION; JOINT UTILITY TRENCH
Fri 11	Y	N	PACHT CLUB ROAD WATER LINE; 2A FOUNDATION; BALTIMORE STORM DRAINS; MAINT. SITES
Sat 12	N	N	NO RA ACTIVITY - WET CONDITIONS

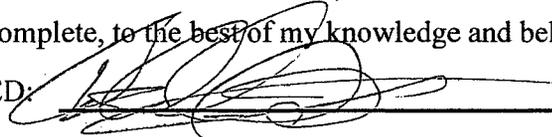
WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 6	32/47:ENE	WIND 1MPH/GUST 6MPH, NO PRECIPITATION
Mon 7	38/49:SSW	WIND 4MPH/GUST 10MPH, NO PRECIPITATION
Tue 8	42/53:SSW	WIND 2MPH/GUST 7MPH, NO PRECIPITATION
Wed 9	45/57:SW	WIND 1MPH/GUST 5MPH, PRECIP. 0.01" (MORNING)
Thu 10	43/58:SOUTH	WIND 2MPH/GUST 10MPH, NO PRECIPITATION
Fri 11	47/50:SSW	WIND 7MPH/GUST 22MPH, PRECIP. 0.22" (AFTERNOON)
Sat 12	34/48:SSW	WIND 7MPH/GUST 23MPH, PRECIP. 0.01" (AFTERNOON-EVE)

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/14/2011

SIGNED: _____



TMR

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2011-1113

Week of: 11/13 - 19, 2011

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Gates:						
49 th & Ruston Wy	G	F	P	Y	N	
Peninsula	G	F	P	Y	N	
52 nd Street	G	F	P	Y	N	
54 th Street (electric)	G	F	P	Y	N	
Signage:						
Gates	G	F	P	Y	N	
Perimeter	G	F	P	Y	N	
Safety	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED TO TRAFFIC CLOSED
51 st & Gallagher	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	G	F	P	Y	N	
Waddles	G	F	P	Y	N	
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
Stockpiles:						
Envirotac H ^r	G	F	P	Y	N	
Plastic	G	F	P	Y	N	
Packed	G	F	P	Y	N	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	G	F	P	Y	N	
Excavation area	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	F	P	Y	N	MONITOR STACK HILL FENCE TO TOP OF TRAIN TUNNEL
Zone Separation	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	F	P	Y	N	
(Other)	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2011-1113
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	IN PROGRESS
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: MOVE TEMP CONSTRUCTION FENCE FROM TOP OF SLOPE ON STACK Hill TO TOP OF TRAIN TUNNEL. (STILL BLOCKING ACCESS TO LOWER SITES)

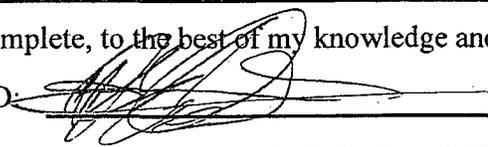
Air Monitoring:

Day of Week	HI-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 13	N	N	NO RA ACTIVITY - DAMP CONDITIONS
Mon 14	Y	N	SHORELINE ARMORING - RUSTON WAY LID - 2A STORAGE FOUNDATION
Tue 15	Y	N	" " "
Wed 16	Y	N	" " "
Thu 17	Y	N	" " "
Fri 18	Y	N	SHORELINE ARMORING - LID - 2A STORAGE FOUNDATION
Sat 19	Y	N	RUSTON WAY LINER INSTALL - DAMP CONDITIONS

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 13	44°/48°	SSW WIND 9MPH/GUST 22MPH, PRECIP 0.01" (AFTERNOON)
Mon 14	36°/47°	SSW WIND 8MPH/GUST 14MPH, NO PRECIPITATION
Tue 15	34°/46°	SOUTH WIND 2MPH/GUST 11MPH, NO PRECIPITATION
Wed 16	33°/57°	SSW WIND 4MPH/GUST 20MPH, PRECIP 0.52" (AFTERNOON-EVE)
Thu 17	34°/47°	SSW WIND 8MPH/GUST 21MPH, PRECIP 0.22" (AFTERNOON-EVE)
Fri 18	34°/39°	SSW WIND 3MPH/GUST 18MPH, NO PRECIPITATION
Sat 19	31°/42°	NE WIND 2MPH/GUST 17MPH, PRECIP 0.01" (MORNING)

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/21/2011 SIGNED:  TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2011-1120

Week of: 11/20 - 26, 2011

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Gates:						
49 th & Ruston Wy	G	F	P	Y	N	
Peninsula	G	F	P	Y	N	
52 nd Street	G	F	P	Y	N	
54 th Street (electric)	G	F	P	Y	N	SEE COMMENTS
Signage:						
Gates	G	F	P	Y	N	
Perimeter	G	F	P	Y	N	
Safety	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	
51 st & Gallagher	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	G	F	P	Y	N	HEAVY RAINS
Waddles	G	F	P	Y	N	
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
Stockpiles:						
Envirotac-II	G	F	P	Y	N	
Plastic	G	F	P	Y	N	
Packed	G	F	P	Y	N	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	G	F	P	Y	N	WET CONDITIONS
Excavation area	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	F	P	Y	N	
Zone Separation	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	F	P	Y	N	
(Other)	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2011-1120
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:	G	F	P	Y	N	WORK IN PROGRESS
Site Superintendent	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 54th ST. GATE STOPPED WORKING. DISASSEMBLED, CLEANED, & LUBRICATED MOTOR & GEARS. NOW WORKING FINE.
 HEAVY RAINS CAUSED OFF SITE WATER (S. OUTFALL UPSTREAM) TO OVERFLOW & ENTER CITY OUTFALL THROUGH NEW STORM DRAIN.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 20	Y	N	RUSTONWAY LINER INSTALL
Mon 21	Y	N	ROAD STORM + WATER LID - SHORELINE ARMORING
Tue 22	Y	N	SHORELINE ARMORING - LID JOINT UTILITY TRENCH
Wed 23	Y	N	SHORELINE ARMORING - LID. ROAD/STORM/J.U.T.
Thu 24	N	N	NO RA ACTIVITY - HOLIDAY
Fri 25	Y	N	SHORELINE ARMORING
Sat 26	Y	N	SHORELINE ARMORING

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 20	27°/39°: EAST	WIND 1MPH/GUST 14MPH, PRECIP. 0.01" (MORNING)
Mon 21	34°/48°: SSW	WIND 6MPH/GUST 11MPH, PRECIP. 0.40" (ALL DAY SCATTERED)
Tue 22	42°/54°: SOUTH	WIND 6MPH/GUST 28MPH, PRECIP. 1.88" (ALL DAY)
Wed 23	38°/54°: SSW	WIND 7MPH/GUST 13MPH, PRECIP. 0.54" (ALL MORNING)
Thu 24	38°/44°: SSW	WIND 6MPH/GUST 15MPH, PRECIP. 0.38" (AFTERNOON - EVE)
Fri 25	36°/47°: SSW	WIND 4MPH/GUST 14MPH, NO PRECIPITATION
Sat 26	41°/49°: WEST	WIND 1MPH/GUST 10MPH, PRECIP. 0.03" (MORNING)

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/28/2011

SIGNED: 

TIM R.

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2011-1127

Week of: **11/27 - 12/3, 2011**

Inspector: **Tim Rusher**

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Gates:						
49 th & Ruston Wy	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
52 nd Street	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED
51 st & Gallagher	G	F	P	Y	N	CLOSED
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotae-II	G	F	P	Y	N	
Plastic	G	F	P	Y	N	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	(F)	P	Y	(N)	
(Other)	G	(F)	P	Y	(N)	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2011-1127
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	HYDROMETRIC S EDITING,
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: GRAFFITI DONE TO BARRICADES DURING WEEKEND. MAJORITY WAS CLEANED UP.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 27	N	N	NO RA ACTIVITY
Mon 28	Y	N	L.I.D. WATER/J.U.T./STORM; SHORELINE ARMORING.
Tue 29	Y	N	L.I.D. WATER/J.U.T./STORM; SHORELINE ARMORING
Wed 30	Y	N	BARGE #39 UNLOADING; L.I.D.; SHORELINE ARMORING. STORAGE 2A
Thu 12/1	Y	N	BARGE #39 FINISH UNLOAD; L.I.D.; SHORELINE ARMORING; L.I.D.
Fri 2	Y	N	SHORELINE ARMORING; L.I.D.; GRADE SUBGRADE FOR 2A STORAGE
Sat 3	N	N	NO RA ACTIVITY ← LOWER L.I.D.

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 27	43°/51°:SSW	WIND 7MPH/GUST 14MPH, PRECIP. 0.43" (SCATTERED)
Mon 28	37°/46°:WSW	WIND 1MPH/GUST 5MPH, NO PRECIPITATION
Tue 29	36°/43°:SSW	WIND 4MPH/GUST 17MPH, PRECIP. 0.08" (LATE EVE)
Wed 30	40°/45°:NE	WIND 4MPH/GUST 12MPH, NO PRECIPITATION
Thu 12/1	32°/40°:SSW	WIND 1MPH/GUST 6MPH, NO PRECIPITATION
Fri 2	33°/44°:SSW	WIND 1MPH/GUST 4MPH, NO PRECIPITATION
Sat 3	33°/42°:SW	WIND 1MPH/GUST 4MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 12/5/2011 SIGNED: [Signature] T.M.R.

TITLE: Construction Oversight / Health & Safety Officer



5219 N. Shirley St. Suite 100, Ruston, WA 98407

MEMORANDUM

November 28, 2011

SUBJECT: Outfall Repairs

On November 28 at about 7:30 AM I was notified that no water was in the sample container at the North Outfall location.

Upon further review it was determined that the conduit containing the suction tubing had been severed. Recent work occurring along the shoreline as part of the armoring project may have damaged the 50' of buried suction tubing between the outfall structure and the sampling pump. Two pipes were severed and crushed and had to be replaced. One pipe served as the conduit for the suction tubing and the other pipe was connected to the floor drain inside the north outfall building.

The damaged pipe was excavated and replaced. New suction tubing was used to replace the damaged tubing. Pictures were taken to document the process (see attached). Point Ruston personnel tested and verified that the repairs and connections were working properly.

Sampling is not required in November, though Point Ruston keeps sample pumps operational to ensure the pumps continue functionality, including maintaining the batteries, and identifying any other issues .

As a precaution the pump tubing on both the north & south outfall sample pumps was replaced.

Please contact me with any questions or concerns,

Tim Rusher

Damaged Pipe



Repaired Pipe

